

ABSTRACT

The present inventions provides a directing device for controlling the orientation of a ball launching device, comprising a first member, a second member pivotally attached to the first member, and a third member disposed substantially parallel to the second member, rotatably connected to the second member and operably configured to receive the ball launching device. The device further includes a first actuator connected to the first and second members and, a second actuator connected to the first and third members.

When the first actuator is actuated the second member pivots relative to the first member, and when the second actuator is actuated the third member rotates relative to the second member. This invention also provides an automatic ball throwing device having the directing device of this invention and a method of converting a pitching machine into the same. This invention further provides a hopper for use with the directing device.